



SPYWOLF

Security Audit Report



Completed on
April 9, 2023

@SPYWOLFNETWORK



@SPYWOLFNETWORK



SPYWOLF.CO





OVERVIEW

This audit has been prepared for **Coinracer** to review the main aspects of the project to help investors make an informative decision during their research process.

You will find a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

”

- SPYWOLF Team -





TABLE OF CONTENTS

Project Description	01
Contract Information	02
Current Stats	03
Vulnerability Check	04
Threat Levels	05
Found Threats	06-A/06-B
Good Practices	07
Tokenomics	08
Team Information	09
Website Analysis	10
Social Media & Online Presence	11
About SPYWOLF	12
Disclaimer	13



Coin Racer



PROJECT DESCRIPTION

According to their whitepaper:

Coin Racer is a low-poly-style blockchain-powered multiplayer racing game. After project's initial success the team is pushing P2E concept to the next sustainable level. To achieve this, they we will relaunch the crypto component of the project and introduce a new a self sustainable economic model in the game.

Release Date: Presale starts in April 11th, 2023

Category: Play to earn (P2E)



CONTRACT INFO

Token Name

Coinracer: Reloaded

Symbol

CRACER

Contract Address

0x7342717afb1F0C23153fE506Dc70164204Abb7a1

Network

Binance Smart Chain

Language

Solidity

Deployment Date

Apr 08, 2023

Verified?

Yes

Total Supply

100,000,000

Status

Not launched

TAXES

Buy Tax

3%

Sell Tax

3%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



TOKEN TRANSFERS STATS

Transfer Count	601
Uniq Senders	3
Uniq Receivers	598
Total Amount	202217539.1358165 CRACER
Median Transfer Amount	283.2 CRACER
Average Transfer Amount	336468.4511411256 CRACER
First transfer date	2023-04-08
Last transfer date	2023-04-08
Days token transferred	1

SMART CONTRACT STATS

Calls Count	617
External calls	6
Internal calls	611
Transactions count	12
Uniq Callers	4
Days contract called	2
Last transaction time	2023-04-09 00:20:34 UTC
Created	2023-04-08 22:56:31 UTC
Create TX	0x2ef78394b05875d08c5f9bb076c182e4fb08a672a102448728d151697d769c62
Creator	0xfd02e74ee462f3e5bd88ef2835573949f25e3d59



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ Low Risk

No actual change is performed of percent_Of_Tokens_To_Process value. If it is greater than 100, the transaction will revert.

```
function process_Tokens_Now(uint256 percent_Of_Tokens_To_Process)
    public
    onlyOwner
{
    // Do not trigger if already in swap
    require(!inSwapAndLiquify, "Currently processing, try later.");
    if (percent_Of_Tokens_To_Process > 100) {
        percent_Of_Tokens_To_Process == 100;
    }
    .....
}
```

- Recommendation code fix sample:
if (percent_Of_Tokens_To_Process > 100) {
 percent_Of_Tokens_To_Process = 100;
}



Informational

Owner can exclude address from fees.

When address is excluded from fees, the user will receive the whole amount of the bought, sold and/or transferred tokens.

```
function excludeFromFee(address account) public onlyOwner {  
    _isExcludedFromFee[account] = true;  
}
```

Owner can set fees up to 20% for buy+sell combined.

Owner can turn on fees on transfers.

When fees are above 0, there will be certain amount of tokens that will be deducted from every transaction that users make. Deducted amount will be as much as the fees % from total amount that user had bought, sold and/or transferred.

```
function _set_Fees(uint256 Buy_Fee, uint256 Sell_Fee) external onlyOwner {  
    require((Buy_Fee + Sell_Fee) <= maxPossibleFee, "Fee is too high!");  
    _sellFee = Sell_Fee;  
    _buyFee = Buy_Fee;  
}  
  
function set_Transfers_Without_Fees(bool true_or_false) external onlyOwner {  
    noFeeToTransfer = true_or_false;  
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

Coinracer

GOOD PRACTICES FOUND

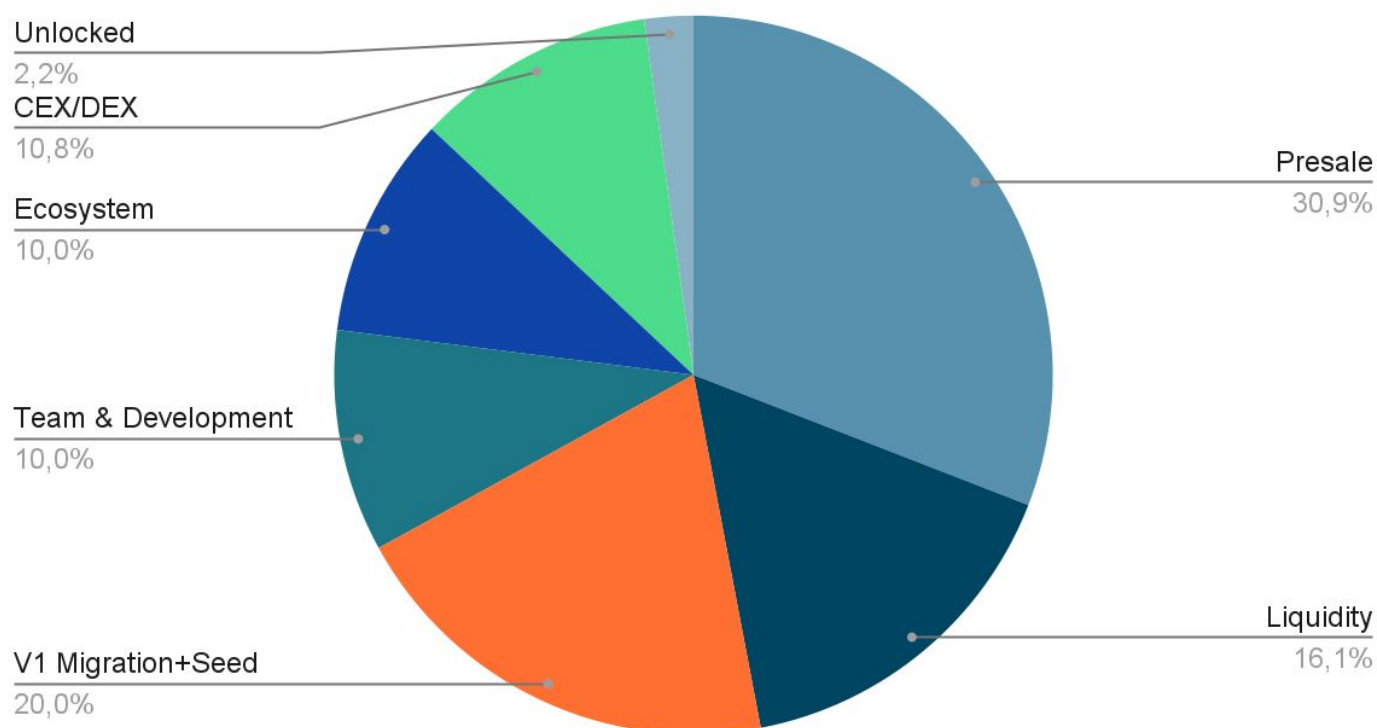
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit



The following tokenomics are based on Pinksale's presale page:

- 30.9% - Presale
- 16.1% - Liquidity
- 20% - V1 migration+seed*
- 10% - Team&Development
- 10% - Ecosystem
- 10.8% - CEX/DEX
- 2.2% - Unlocked

Tokens distribution



*For more information about vesting periods of seed tokens, read project's whitepaper:
https://coinracer.io/wp-content/uploads/2022/09/Coinracer_Reloaded-Whitepaper-v2.01.pdf

TOKENOMICS



THE TEAM

! The team is anonymous

KYC INFORMATION

! No KYC

We recommend the team to get a KYC in order to ensure trust and transparency within the community.





WEBSITE

Website URL
<https://coinracer.io/>

Domain Registry
<https://www.eurodns.com>

Domain Expiration
Expires on 2023-08-22

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Very nice color scheme and overall layout.

Content
The information helps new investors understand what the product does right away.
No grammar mistakes found.

Whitepaper
Well written, explanatory.

Roadmap
Yes, goals set at 5 phases.

Mobile-friendly?
Yes



coinracer.io

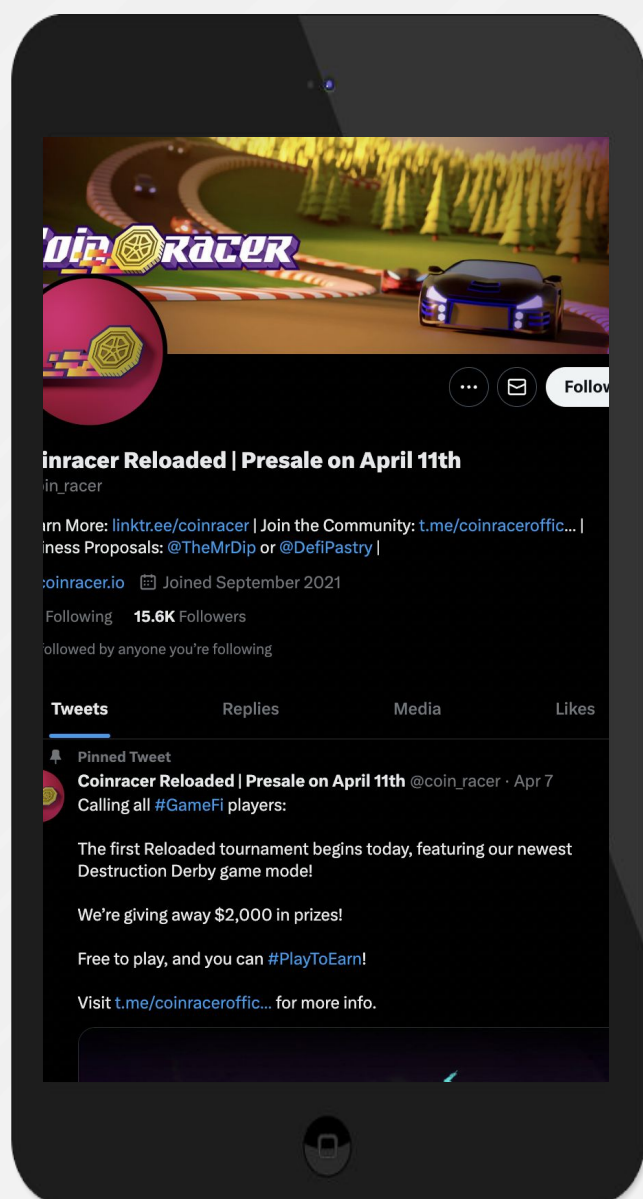


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

Project's social media
pages are active



Twitter

@coin_racer

- 15 600 followers
- Posts frequently
- Active



Discord

<https://discord.com/invite/7EQdDrrDqW>

- 8 461 members
- Active members
- Active mods



Telegram

@coinracerofficial

- 5 789 members
- Active members
- Active mods



Medium

@coinracer

- 126 Followers
- 1 article



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 400 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
- ✓ CONSTANTLY BUILDING TOOLS TO HELP INVESTORS DO BETTER RESEARCH

To hire us, reach out to
contact@spywolf.co or
t.me/joe_SpyWolf

FIND US ONLINE



[SPYWOLF.CO](https://spywolf.co)



[@SPYWOLFNETWORK](https://t.me/SPYWOLFNETWORK)



[@SPYWOLFNETWORK](https://twitter.com/SPYWOLFNETWORK)



Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

DISCLAIMER:

By reading this report or any part of it, you agree to the terms of this disclaimer. If you do not agree to the terms, then please immediately cease reading this report, and delete and destroy any and all copies of this report downloaded and/or printed by you. This report is provided for information purposes only and on a non-reliance basis, and does not constitute investment advice.

No one shall have any right to rely on the report or its contents, and SpyWolf and its affiliates (including holding companies, shareholders, subsidiaries, employees, directors, officers and other representatives) (SpyWolf) owe no duty of care towards you or any other person, nor does SpyWolf make any warranty or representation to any person on the accuracy or completeness of the report.

The report is provided "as is", without any conditions, warranties or other terms of any kind except as set out in this disclaimer, and SpyWolf hereby excludes all representations, warranties, conditions and other terms (including, without limitation, the warranties implied by law of satisfactory quality, fitness for purpose and the use of reasonable care and skill) which, but for this clause, might have effect in relation to the report. Except and only to the extent that it is prohibited by law, SpyWolf hereby excludes all liability and responsibility, and neither you nor any other person shall have any claim against SpyWolf, for any amount or kind of loss or damage that may result to you or any other person (including without limitation, any direct, indirect, special, punitive, consequential or pure economic loss or damages, or any loss of income, profits, goodwill, data, contracts, use of money, or business interruption, and whether in delict, tort (including without limitation negligence), contract, breach of statutory duty, misrepresentation (whether innocent or negligent) or otherwise under any claim of any nature whatsoever in any jurisdiction) in any way arising from or connected with this report and the use, inability to use or the results of use of this report, and any reliance on this report. The analysis of the security is purely based on the smart contracts, website, social media and team.

No applications were reviewed for security. No product code has been reviewed.